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SOURCE As indicated

BIOGRAPHIC AND ORGANIZATIONAL INFORMATION  
ON ACADEMY OF SCIENCES UKRAINIAN SSR, JANUARY-AUGUST 1954

[This report supplements and in some cases modifies the informa-  
tion contained [redacted] and should be read in  
conjunction with those reports. In most cases, the Russian translit-  
eration of the Ukrainian name is given. However, if the Russian  
equivalent could not be ascertained, or the correct Russian trans-  
literation has been found since the above-mentioned reports were  
published, the Ukrainian is given in parentheses following the Rus-  
sian.

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Numbers in parentheses refer to appended sources.]

## ADMINISTRATION

Presidium

A. V. Palladin: His works in the field of biochemistry are shown under  
the Institute of Biochemistry.

Nikolay Panteleymonovich Semenenko (M. P. Semenenko): Awarded the Order  
of Lenin on 3 May 1954, and at the same time was identified as a Doctor of  
Geological and Mineralogical Sciences and the head of an unnamed division in  
the Institute of Geological Sciences. (34)

Gurly Nikolayevich Savin (G. M. Savin): Identified as a Doctor of Physico-  
mathematical Sciences and the head of an unnamed division in the Institute of  
Mathematics when he was awarded the Order of Labor Red Banner on 3 May 1954. (35)  
This is probably the Laboratory of Electric Modeling (see Institute of Mathemat-  
ics). However, a Professor G. N. Savin, Active Member of the academy and Doc-  
tor of Technical Sciences, was stated to be one of the official opponents of a  
doctoral dissertation defended in the Institute of Construction Mechanics (25),  
so that it is possible that he holds both degrees.

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A. N. Shcherban': Doctor of Technical Sciences, awarded the Order "Badge of Honor."(36)

Anatoliy Dmitriyevich Kovalenko: Identified as a Doctor of Technical Sciences and head of an unnamed division in the Institute of Construction Mechanics when he was awarded the Order "Badge of Honor."(35)

Yevgeniy Nikolayevich Kondratyuk: See under Institute of Botany.

Sergey Maksimovich Bukhalo: Candidate of Technical Sciences, who was identified only as the head of a division of the presidium when he was awarded the Order of Labor Red Banner on 3 May 1954.(34) This is presumed to mean that he is still head of the Department of Special Works.(49)

Library Commission of the Academy

No further information.

Party Organization

V. K. Legkoduikh was identified as the secretary of the Committee of Komsomols in the academy when he was nominated to act on a committee to organize a scientific conference of young scientists in the academy.(2)

Department of Cadres

No further information.

Commission for the Introduction of the Results of Scientific Research Into the Domestic Economy

This commission is headed by N. P. Semenenko and is part of the presidium.(1)

Council for Coordination [of Scientific Work]

This council has been formed in order to coordinate research on problems requiring the efforts of more than one institute, i.e., "complex" problems. Its membership is:

A. V. Palladin, President of the academy (head)

G. N. Savin, Vice-President of the academy (deputy head)

N. P. Semenenko, Vice-President of the academy

A. N. Shcherban', Chief Scientific Secretary of the academy

V. Ye. Lashkarev, Ye. A. Shilov, G. V. Pol'bort, N. N. Dobrokhotoy (M. M. Dobrokhotoy), N. P. Pershin (M. P. Pershin) [a member of the Department of Social Sciences], all Active Members of the academy

Ya. N. Belevtsev and Ya. N. Fialkov, Corresponding Members of the academy

S. M. Bukhalo

The deputy heads of bureaus of departments of the academy for problems of coordination.(2)

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In January 1954, the presidium heard a report of the deputy head of the council, V. G. Kas'yanenko, Active Member of the academy, on the reorganization of the structure of the council. As a result of this report, the presidium ordered the organization of the following:

## Bureau of the Council

Academician A. V. Palladin (head), Active Members of the academy V. G. Kas'yanenko (deputy head), N. P. Semenenko, G. N. Savin, F. P. Belyankin, D. K. Zerov, A. Yu. Ishlinskiy, I. Z. Shtokalo and P. A. Vlas'yuk.

A. A. Nesterenko (O. O. Nesterenko), Doctor of Economic Sciences

A. N. Shcherban', Doctor of Technical Sciences

A. F. Makarchenko, Candidate of Medical Sciences

Four sections were also organized [the Section for Social Sciences is not included here], having the following membership:

## Section for Biological and Agricultural Sciences

Active Members of the academy: D. K. Zerov, (head of section), R. Ye. Kavetskiy, P. S. Pogrebnyak, N. N. Kuleshov

Corresponding Members of the academy: Ya. V. Roll, A. M. Vorob'yev, A. P. Markevich, D. L. Ferdman, M. O. Tyulenev

V. P. Vasil'yev, Doctor of Biological Sciences

P. Ye. Vizir, Candidate of Medical Sciences [has since received his doctor's degree; see Institute of Microbiology imeni D. K. Zabolotnyy] (deputy head of section)

D. F. Likhvar', Candidate of Agricultural Sciences

## Section for Physicomathematical, Chemical and Geological Sciences

Active Members of the academy: A. Yu. Ishlinskiy (head of section), A. I. Kiprianov, V. Ye. Lashkarev, V. G. Bondarchuk, A. I. Prodskiy, Ye. A. Shilov, B. G. Lazarev

Corresponding Members of the academy: A. A. Yakovkin, V. B. Porfir'yev

Yu. K. Delimarskiy, Doctor of Chemical Sciences (deputy head of section)

## Section for Technical Sciences

Active Members of the academy: F. P. Belyankin (head of section), K. K. Khrenov

Corresponding Members of the academy: A. D. Nesterenko, V. I. Tolubinskiy, Z. I. Nekrasov, B. A. Pishkin, P. S. Kucherov, B. D. Grozin

A. N. Shcherban', Doctor of Technical Sciences

V. F. Kopitov, Candidate of Technical Sciences [has since received his doctor's degree; see Institute of Gas Utilization] (deputy head of section)

G. V. Karpenko, Candidate of Technical Sciences(2)

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## DEPARTMENT OF AGRICULTURAL SCIENCES

The department held a Jubilee Session on 1 and 2 April 1954 to celebrate the 300th anniversary of the union of the Ukraine with Russia. About 350 scientists took part, many of them visitors from all parts of the Soviet Union.(6)

Institute of Plant Physiology and Agricultural Chemistry

The presidium of the academy has made the following appointments to the revised scientific council of the institute:

Active Members of the academy: P. A. Vlasyuk (head), A. I. Dushechkin,

Corresponding Members of the academy: M. O. Tyulenev, T. T. Demidenko, V. P. Murav'yev, Ye. V. Zverezomb-Zubovskiy

A. S. Okanenکو, Doctor of Biological Sciences

I. A. Sirochenko and A. G. Mikhalevskiy, Doctors of Agricultural Sciences

F. P. Yukhimchuk, A. P. Yashchuk, A. V. Lazurskiy (O. V. Lazurskiy), M. G. Illyashchenko [note difference in spelling between this and that given in OO-W-28497; the correct version is not known] (scientific secretary), A. M. Kolobov (O. M. Kolobov), all Candidates of Agricultural Sciences

F. L. Kalinin, L. K. Ostrovskiy, and I. G. Vival'ko, all Candidates of Biological Sciences(6)

The address of the institute is Kiev, Ul. Chelyuskintsev, 4, and the institute has advertised for aspirants for the degree of candidate in the specialties of plant physiology, agricultural chemistry, plant biochemistry, and horticulture(47).

In January 1954, the presidium of the academy ordered the formation of a Laboratory of Soil Microbiology in the institute.(2) No further information on this laboratory is available.

The following are members of the institute:

Aleksandr Ivanovich Dushechkin: Doctor of Agricultural Sciences, awarded the Order of Lenin on 3 May 1954.(34) This award was made to him as director of the institute, but in view of the information of OO-W-30440, it is presumed that it is for past services.

A. A. Korchagina (O. O. Korchagina): Aspirant in the institute who defended her dissertation "The Effect of Preseeding Conditions and Storage of Kok-Saghyz Seeds on the Improvement of Biochemical Processes and the Productivity of the Plants" during 1953 for the candidate's degree [specialty unspecified] (14)

A. V. Lazurskiy: Gave a lecture entitled "Fertilization Systems Under the Conditions of Nonirrigated Agriculture"(2)

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Petr Antipovich Vlaayuk: Doctor of Agricultural Sciences. When awarded the Order of Lenin on 3 May 1954 (34), he was identified as the head of a laboratory in the institute, but it is considered that this award is for past work in view of the information [redacted] Works include:

"The Effect of Various Forms of Potassium Fertilizer on the Quality and Productivity of Sweet Turnips Under Irrigation Conditions," with I. A. Sirochenko (Sec under Scientific Council of the institute) A. K. Kartashev and I. Ye. Glukhovskiy. It is probable that these two latter are members of the Ukrainian Hydraulic Engineering and Soil Improvement Institute, as the text states that the work was done in conjunction with that institute. (1)

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"The Task of Scientists in the Successful Seeding in 1954" (2)

"Improvement of Agricultural Cultures in Polissiya" (6)

N. A. Sirenko: Scientific Associate of the institute, who gave a lecture "Experience of Devising Fertilization Systems for Growing Plants in the Fields of the Snigirovskiy Rayon" (2)

The following were stated to have successfully defended dissertations during 1953 for the candidate's degree [specialties not stated]:

(3) Aspirants (female) M. S. Darmenko and A. G. Tomashevskaya (O. A. Tomashevskaya)

Institute of Silviculture

Address: Kiev, Ul. Chudnovskogo, 3. This address was given in the advertisement stating that the institute was taking aspirants for the candidate's degree in the specialty of general silviculture. (47)

The following information is available on members of the institute:

Petr Stepanovich Pogrebnyak: Doctor of Agricultural Sciences, awarded the Order of Labor Red Banner on 3 May 1954 (35)

Dmitriy Danilovich Lavrinenko: Candidate of Agricultural Sciences and acting head of an unnamed division in the institute, awarded the Medal "For Labor Valor" on 3 May 1954 (36)

Semen Andreyevich Samtsevich: Candidate of Biological Sciences and acting head of an unnamed laboratory in the institute, awarded the Medal "For Labor Valor" on 3 May 1954 (38)

I. I. Gordiyenko: Works include "Plant Pioneers of the Hilly Sands of the Lower Dnepr" (13)

V. D. Gotsulyak (or Gutsulyak): Junior Scientific Associate of the institute who defended his dissertation "Seasonal Nutrition of Oak, Ash and Larch Trees With Nitrogen, Phosphorus and Potassium in Podsolchic Soils" for the candidate's degree during 1953. (14)

P. G. Krotkevich: Works include "Introduce More Widely the Planting of Nut Trees" (2) and "The Grafting of Nut Trees." (22)

The following scientific associates of the institute defended dissertations for the candidate's degree [specialty not given] during 1953:

N. N. Grisyuk (M. M. Grisyuk), P. S. Pasternak, P. P. Pokhitona, A. K. Kovalevskiy, and A. P. Vizira. (3)

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The address of the laboratory is Khar'kov, Ul. Dzerzhinskogo, 92. An advertisement has stated that the laboratory is taking aspirants for the candidate's degree in the specialty of soil science.(47)

S. G. Grin', Candidate of Agricultural Sciences, stated to have given a lecture entitled "Soils of the Bashtanskiy Rayon and Measures for Improving their Fertility," has been identified as a member of the institute.(2) His relationship to G. S. Grin', Candidate of Agricultural Sciences, who is a member of the Commission for the Compilation of a Single Classification and Nomenclature of Soils in the Ukrainian SSR [redacted] has not been determined, but it is possible that the name has been misprinted in one of the sources.

D. F. Rudnev was stated to have defended his doctoral dissertation in the Institute of Zoology of the academy during 1953, and to have been awarded the degree of Doctor of Biological Sciences.(3)

Institute of Agricultural Mechanics and Machine Studies

When the institute advertised that it was taking aspirants for the candidate's degree in the specialties of agricultural machinery, tractors, and the power rating of engines, the address was given as Kiev, Ul. Vydubetskaya, 47.(47)

Professor S. V. Serensen, Active Member of the academy and Doctor of Technical Sciences, has been identified as the head of the Division of Tractor Power.(2)

The following scientists have also been identified as division heads, but the names of their divisions are not known:

S. S. Grigor'yev, Candidate of Technical Sciences (2)

Boris Nikolayevich Seredenko (B. M. Seredenko), Candidate of Technical Sciences, who was awarded the Order of Labor Red Banner on 3 May 1954. (35)

P. M. Vasilenko (1)

S. V. Zeligman has been identified as a Scientific Associate of the institute.(2)

The following Junior Scientific Associates of the institute defended their dissertations for the candidate's degree [specialty unspecified] during 1953:

I. I. Vasilenko and L. A. Kozlov (L. O. Kozlov) (3)

Institute of Entomology and Phytopathology

Address: Kiev, Ul. Chudnovskogo, 3. The institute has advertised that it is accepting aspirants for the candidate's degree in the specialty of entomology.(47)

Members of the institute are:

M. I. Sirotin, Candidate of Biological Sciences (2)

I. K. Zagaykevich: the public defense of his dissertation "Hexapoda - the Enemies of the Woods of the Western Oblasts of the Ukrainian SSR, and Measures for their Control," for the degree of Candidate of Biological Sciences, was

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advertised.(32) The official opponents were to be Professor S. M. Gershenzon, Doctor of Biological Sciences (who has been identified with the Institute of Zoology of the academy) and V. I. Gusev, Candidate of Agricultural Sciences, whose affiliation is not known.

N. L. Zakharchenko, a Junior Scientific Associate of the institute, defended his dissertation for the candidate's degree during 1953.(3)

Sector of Animal Husbandry

The sector is taking aspirants for the candidate's degree in the specialties of agricultural animal breeding, farm animal breeding, and special zootechnics. The address was given as Kiev, UL. Vladimirska, 55.(47)

I. M. Butkovskiy and F. P. Vyazov (F. P. V'yazov) are scientific associates of the sector who took part in a combined expedition of the academy to kolkhozes in the Snigirevskiy Rayon, Nikolayevskaya Oblast.(2)

Institute of Genetics and Selection

Address: Khar'kov, UL. Chernyshevskogo, 56. The institute has advertised that it is taking aspirants for the candidate's degree in the specialties of selection and seed-growing, genetics and selection, and plant physiology.(47)

Members of the institute are:

N. M. Kuleshov: Active Member of the academy (2), who was identified as the deputy director of the institute in 1951.(20) Delivered a lecture: "The Development of Grain Culture in the Southern Ukraine" (2)

P. V. Kuchumov: Senior Scientific Associate of the institute and a Candidate of Agricultural Sciences.(1) Last identified as a member of Khar'kov State Selection Station in 1949 (20)

I. I. Marchenko: Senior Scientific Associate of the institute and a Candidate of Agricultural Sciences.(1)

Vasiliy Yakovlevich Yur'yev: Active Member of the academy (40), who was last identified as the Director of the Khar'kov State Selection Station.(20) He may therefore have nothing to do with the institute, but it may also be that the station was taken into the administration in the academy, and its title changed. Yur'yev was awarded the title "Hero of Socialist Labor," the Order of Lenin, and the Gold Medal "Hammer and Sickle" for his work in selection and in the study of grain culture on the occasion of his 70th birthday. The award was dated 15 May 1954, but no date of the birthday was given.(38)

Reference has been made to the Laboratory of Selection in the institute, but nothing further is known about it.(1)

DEPARTMENT OF PHYSICOMATHEMATICAL, CHEMICAL, AND GEOLOGICAL SCIENCES

The Jubilee Session to celebrate the union of the Ukraine with Russia 33 years ago was held in L'vov on 11-13 May 1954. A deputation from the Academy of Sciences USSR attended, lead by Academician N. N. Dubinin, the Scientific Secretary of the Department of Chemical Sciences, as well as representatives from many scientific research institutions. The total attendance was about 400 scientists.(6)

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S-E-C-R-E-TMain Astronomical Observatory of the Academy

The address of the observatory has been given as Kiev, Ul. Chudnovskogo, 3, but this may be the address of the administrative offices, and not the location of the observatory itself. It should be noted that the Institutes of Silviculture, Entomology and Phytopathology, and Mining imeni M. M. Fedorov, and the Laboratory of Metal Physics have also given this same address.

Shalve Georgiyevich Gordeladze, Candidate of Physicomathematical Sciences, was identified as a Senior Scientific Associate of the observatory when he was awarded the Order of Labor Red Banner on 3 May 1954. (34)

N. P. Barabashev, Active Member of the academy, wrote an article entitled "Development of Astronomy in the Ukraine." (22) It is not known whether or not he is a member of the observatory.

Poltava Gravimetric Station

The station is under the Department of Physicomathematical, Chemical and Geological Sciences. [See Bol'shaya Sovetskaya Entsiklopediya, Vol I.]

The only member identified is Nikolay Andreyevich Popov, Candidate of Physicomathematical Sciences and a Senior Scientific Associate of the station, who was awarded the Order "Badge of Honor" on 3 May 1954. (36)

Institute of Mathematics

When the institute advertised that it was taking aspirants for the candidate's degree in the specialties of differential equations, mathematical analysis, and mechanics, it gave its address as Kiev, Ploshchad' Kalinina, 6. (47)

The director of the institute, Aleksandr Yul'yevich Ishlinakiy, Doctor of Physicomathematical Sciences, was awarded the Order "Badge of Honor" on 3 May 1954 (35), and the following awards were made to members of the institute at the same time:

Boris Vladimirovich Gnedenko, Doctor of Physicomathematical Sciences and head of an unnamed division -- Order of Labor Red Banner (34)

Iosif Benediktovich Pogrebysskiy, Candidate of Physicomathematical Sciences and a Senior Scientific Associate of the institute -- Order of Labor Red Banner (35)

Konstantin Vasil'yevich Zadirak, Candidate of Physicomathematical Sciences and a Senior Scientific Associate of the institute -- Medal "For Labor Valor" (36)

Another award at the same time was the Order of Lenin to Iosif Zakharovich Shtokalo, Doctor of Physicomathematical Sciences, who was stated to be a Senior Scientific Associate of the institute. (34) It is presumed that this is the same man as the head of the L'vov affiliate of the academy

The death, at the age of 58, of Professor Vadim Yevgen'yevich D'yachenko, Corresponding Member of the academy, has been reported. The date of death was given as 2 June 1954, and it was stated that he was head of the Chair of General Mathematics at Kiev State University imeni T. G. Shevchenko. (42)

The following members of the institute read the papers shown at scientific seminars:

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Yu. A. Mitropol'skiy, Doctor of Physicomathematical Sciences, "Oscillations in the Passage through the Resonance [Point] in Systems having Gyroscopic Members"

Yu. D. Sokolov, Corresponding Member of the academy, "One Approximate Method for Integrating Basic Differential Equations of the Dynamics of [Shaft] Hoisting Cables"

P. F. Fil'chakov, Doctor of Physicomathematical Sciences, "Determination of the Aerodynamic Support of a Mine Cage or Skip by the Aid of the Electrohydrodynamic Analogies Method." The short description of this work stated that its author had been much assisted by the work carried out by G. N. Savin, Active Member of the academy in the Laboratory of Electric Modeling of the institute. (4)

The public defense of dissertations by the following was advertised in the newspapers. Defense of a dissertation in the institute does not necessarily mean that the author is a member of the institute.

V. N. Kostoruchko: For the degree of Candidate of Physicomathematical Sciences on 27 February 1954, "Investigation of Certain Iterative Processes." Official opponents: G. Ye. Shilov, Doctor of Physicomathematical Sciences, [affiliation unknown] and Yu. V. Blagoveshchenskiy, Candidate of Physicomathematical Sciences [affiliation unknown] (27)

V. S. Korolyuk: For the degree of Candidate of Physicomathematical Sciences on 29 June 1954, "The Criteria of Congruence of Kolmogorov and Smirnov." Official opponents: Academician A. N. Kolmogorov and I. I. Gikhman, Docent (45)

A. L. Sklyanskiy: For the degree of Candidate of Physicomathematical Sciences on 29 June 1954, "The Theory of Pair Collisions in the Generalized Problem of Three Bodies." Official opponents: L. M. Sretinskiy, Corresponding Member of the Academy of Sciences USSR and S. F. Feshchenko, Doctor of Physicomathematical Sciences [affiliation unknown] (45)

#### Institute of General and Inorganic Chemistry

Address of the institute in Kiev, Ul. Leontovicha, 9. The institute has advertised that it is taking aspirants for the candidate's degree in the specialties of inorganic chemistry, colloid chemistry and analytical chemistry. (47)

Yuriy Konstantinovich Delimarskiy, Doctor of Chemical Sciences, was identified as the deputy director of the institute when he was awarded the Order of Labor Red Banner on 3 May 1954. (34)

E. M. Natanson (Ye. M. Natanson), Doctor of Chemical Sciences, is the head of the Laboratory of Colloid Chemistry. (20, 22)

#### Laboratory of the Control of Corrosion

Head of this laboratory is Nikolay Nikolayevich Gratsianskiy, Candidate of Chemical Sciences. [Note difference in spelling from that given in OO-W-28497:] He was awarded the Order of Labor Red Banner on 3 May 1954. (34)

#### Laboratory of the Chemical Purification of Water

Head of the Laboratory is still Leonid Adol'fovich Kul'skiy, Doctor of Technical Sciences, who was awarded the Order of Labor Red Banner on 3 May 1954. (35)

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## Laboratory of the Chemistry and Technology of Water

No head of the laboratory has been identified. Known members are:

Marina Aleksandrovna Shevchenko, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor" on 3 May 1954 (36)

Igor' Trofil'ovich Goronovskiy, Junior Scientific Associate of the institute, awarded the Medal "For Labor Valor" on 3 May 1954 (36)

## Laboratory of the Chemistry of Complex Compounds

Ivan Arsent'yevich Sheka was identified as a member of the Laboratory of Complex Compounds in 1949.(20) It is not known whether this laboratory is still in existence, but Sheka was identified as a Doctor of Chemical Sciences and a Senior Scientific Associate in the institute when he was awarded the Order of Labor Red Banner on 3 May 1954.(35) He is also the coauthor of the article "Dielectric Properties of Systems formed by Allyl Mustard Oil and Amines" with K. F. Karlysheva, who is also a member of the institute.(9)

## Unnamed Laboratories

Anatoliy Kirillovich Babko, Doctor of Chemical Sciences, was identified as the head of a laboratory when he was awarded the Order of Lenin on 3 May 1954.(34) His works include: "Investigation of a Colored Peroxide Complex of Cerium" with A. I. Volkova, who is also a member of the institute.(8)

Dmitriy Pavlovich Zosimovich, Candidate of Technical Sciences, was also identified as the head of a laboratory when he too was awarded the Order of Lenin.(34)

Other members of the institute are:

Vasiliy Prokhorovich Chaliy, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, awarded the Order "Badge of Honor" (36)

Tamara Fadeyevna Frantsevich-Zabludovskaya, Candidate of Chemical Sciences, awarded the Medal "For Labor Valor." She is a Senior Scientific Associate of the institute.(36)

V. A. Izbekov: Works include "Electrolysis of Fused Salts with Liquid Cathodes. II. Electrolysis of Solutions of Bromides of Metals in Fused  $ZnBr_2$  with Liquid Stannic and Bismuth Cathodes." (7)

Varvara Sergeyevna Kodenskaya, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor" (36)

P. V. Marchenko: Works include "Nephelometric Determination of Arsenic in Copper and Zinc." (7)

Boris Fedorovich Markov, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor" (36)

Grigoriy Pavlovich Maytak, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Labor Red Banner.(35)

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Shmul' Mordkovich Matanzen, Doctor of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Labor Red Banner (35)

Aleksandra Tikhonovna Nizhnik, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Labor Red Banner (35)

Fedor Danilovich Ovcharenko, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor" (35)

Zinaid Abramovna Sheka, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor" (36)

Ivan Nikolayevich Sheyko, Candidate of Chemical Sciences and Senior Scientific Associate of the institute, awarded the Order of Labor Red Banner (35)

Aleksandr Avramovich Shokol, Candidate of Chemical Sciences and a Senior Scientific Associate in the institute, awarded the Order of Labor Red Banner (35)

Vladimir Aloysovich Tsimmergazel, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, awarded the Order "Badge of Honor" (36)

Petr Panteleymonovich Turov, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, awarded the Order of Labor Red Banner (35)

Rotislav Vyacheslavovich Voytsekhovskiy, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor" (36)

#### Defense of Dissertations

Advertisements of the public defense of the following dissertations appeared in newspapers during the period covered by this report. Defense of a dissertation in the institute does not necessarily mean that the author is a member of the institute.

P. M. Stadnik: For the degree of Doctor of Chemical Sciences on 19 May 1954, "Investigation of the Chemistry of a Diffused Flame." Official opponents: N. A. Emanuel' (37) of the Institute of Physical Chemistry imeni L. Ya. Karpov (20), V. A. Royter (of the Institute of Physical Chemistry imeni L. V. Pisarzhevskiy), and M. V. Toybin (of the Institute of Hydrobiology). All are Doctors of Chemical Sciences. (37)

Ya. F. Mezheny: For the degree of Doctor of Chemical Sciences, "Physicochemical Investigation of Dioxane and Dioxane-Water Solutions." Official opponents: N. A. Izgaryshev, Corresponding Member of the Academy of Sciences USSR, Professor V. K. Semchenko (38) of Moscow State University (20), and Professor Yu. K. Delimarskiy. The last two are Doctors of Chemical Sciences. The date for this defense was first given as 27 May (38), but was later postponed twice, to 3 June (39) and 10 June 1954. (40)

Ya. A. Degtyarenko: For the degree of Candidate of Technical Sciences on 17 June 1954, "The Use of the Ion Exchange Method for Determination of Borium, Phosphorus, and Silicon." Official opponents: A. K. Babko, Corresponding Member of the academy, and V. N. Bendt, Candidate of Chemical Sciences [affiliation unknown] (43)

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S. I. Orlov: For the degree of Candidate of Chemical Sciences on 17 June 1954, "The Influence of Certain Physicochemical Factors on the Gelatinous Property of Pectin." Official opponents: Professor M. I. Kotov (of the Institute of Botany) and I. A. Dumanskiy, Candidate of Chemical Sciences [see below] (43)

M. V. Artemenko: For the degree of Candidate of Chemical Sciences on 24 June 1954, "Divided Separation of Metals from the View of Hydroxides or Carbonates by the Multistage Ion Exchange Method." Official opponents: Ya. A. Fialkov, Doctor of Chemical Sciences (44) of the institute (20) and A. T. Pili-penko, Candidate of Chemical Sciences (44) of Kiev State University. (20)

Ye. V. Gitman: For the degree of Candidate of Chemical Sciences on 24 June 1954, "Investigation of Certain Rules of Separation of Powder-Form Metals in High Current Densities." Official opponents: Professor Ye. M. Skobets, Doctor of Chemical Sciences [affiliation unknown] and V. P. Chaliy, Candidate of Chemical Sciences [of the institute; see above] (44)

A. A. Kolotiy: For the degree of Candidate of Chemical Sciences on 1 July 1954, "The Comparison Electrode for Molten Salts and Its Use." Official opponents: Professor N. N. Voronin [affiliation unknown], and D. P. Zosimovich, Candidate of Chemical Sciences [see above] (46)

Ye. F. Nekryachem: For the degree of Candidate of Chemical Sciences on 1 July 1954, "The Heat of Moistening and the Hydrophilic Nature of Certain High Molecular Compounds." Official opponents: Professor O. D. Kurilenko, Doctor of Chemical Sciences (46), who was a member of the institute in 1949 (20), and Professor M. P. Kotov [this may be a misprint for M. I. Kotov] (46)

The following were reported to have defended their dissertations successfully for the candidate's degree [specialty not stated] during 1953. They are all members of the institute.

P. A. Demchenko (P. O. Demchenko), Junior Scientific Associate of the institute, I. A. Dumanskiy, and N. N. Tananayko (M. M. Tananayko) (3)

#### Institute of Organic Chemistry

The address of the institute is Kiev, Ul. Vladimirska, 55. (47)

The Director of the institute, Andrey Ivanovich Kiprianov, Doctor of Chemical Sciences, was awarded the Order of Lenin on 3 May 1954. (34)

#### Laboratory of the Chemistry and Technology of Sugar Substances

Pavel Vasil'yevich Golovin, Doctor of Technical Sciences and the head of the laboratory, was awarded the Order of Lenin on 3 May 1954. (34) No other member of the laboratory has been identified.

#### Other Laboratories

Perets Solomonovich Pel'kis, Candidate of Chemical Sciences, was identified as the acting head of a laboratory when he was awarded the Order "Badge of Honor." (35)

Yevgeniy Alekseyevich Shilov, Doctor of Chemical Sciences, was stated to be the head of another unnamed laboratory when he was awarded the Order of Lenin (34) His works include:

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"Investigation of the Theory of Nucleophilic Combinations. I. The Kinetics of Combination of Hydrochloride and Analogous Compounds with Certain Acetylene Derivatives." (7) II. The Kinetics of the Chlorination of Dimethyl Ester of Acetylene Dicarboxylic Acid." (9) Both these works were done with A. Ye. Shilov, also a member of the institute.

"Dichlorofumaric Acid and Certain of Its Derivatives" with V. S. Mospan of the institute (7)

Other members of the institute are:

Mariya Zakharovna Peretyazhko, Junior Scientific Associate, who was awarded the Medal "For Labor Valor" (36)

Saul Bentsionovich Serebryanny, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor" (36)

Ivan Kalistratovich Ushenko, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor" (36)

It has been stated that A. V. Kirsanov's laboratory [referred to in OO-W-28497], is working on the development of the chemistry of amides of sulfuric acid and phosphaz compounds. (7) No other members of this laboratory have been identified.

Mention has also been made of the Laboratory of the Mechanism of Organic Reactions, but again none of its personnel are known. (7)

The following members of the institute successfully defended their dissertations for the candidates degree in unspecified specialties during 1953:

Aspirant (female) I. M. Zhmurova, Junior Scientific Associate G. S. Tret'yakova, and Junior Scientific Associate A. A. Mikhaylovna (A. O. Mikhaylovna) (3)

Institute of Physical Chemistry imeni L. V. Pisarzhevskiy

Information on the history of this institute can be found

The address of the institute is Kiev, Ul. Lenina, 15. (47)

Anna Savvichna Fomenko, Candidate of Chemical Sciences, was identified as the acting deputy director of the institute when she was awarded the Order of Labor Red Banner on 3 May 1954. (35)

Other members of the institute are:

M. S. Ashkinazi: Works include "Photochemical Properties of Zinc and Copper Analogues of Chlorophyll," with V. Ye. Karpitskaya of the institute. (7) It is possible that they are both members of the Division of Photochemistry, for at the end of the article, they thanked B. Ya. Dain, the head of the division. (49)

B. Ya. Dain: Works include "The Investigations of Photochemistry and the Theory of Light by T. D. Grotthus." (7)

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Savva Georgevich Demidenko, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor." (35)

Gleb Pantaleymonovich Miklukhin, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor." (36)

Mikhail Vol'fovich Polyakov, Doctor of Chemical Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Lenin on 3 May 1954. (34)

V. A. Royter holds the degree of Doctor of Chemical Sciences. (37)

Mikhail Terent'yevich Russov, Candidate of Chemical Sciences and a Senior Scientific Associate of the institute was awarded the Order of Labor Red Banner. (35)

Professor S. S. Urazovskiy has been successfully investigating the problems of the fine structure of organic molecules. (7)

Yakov Vasil'yevich Zhigaylo, Candidate of Chemical Sciences, was identified as the scientific secretary of the institute when he was awarded the Medal "For Labor Valor" on 3 May 1954. (36)

The following members of the institute successfully defended their dissertations for Candidate of Chemical Sciences during 1953:

Junior Scientific Associates Ts. V. Pevzner, G. V. Rekasheva, V. V. Shalya, and I. G. Khaskin

Aspirants Ya. V. Gorokhovatskiy, A. M. Gerasenkova, and V. A. Lunenok (3)

#### Laboratory of Metal Physics

Those wishing to be accepted as aspirants for the candidate's degree in the laboratory were given the address as Kiev, Ul. Chudnovskogo, 3. (47)

A member of the laboratory who has been identified is the late director, Vitaliy Ivanovich Danilov, who died on 19 March 1954. (29) No successor has as yet been identified.

The following members of the laboratory successfully defended dissertations for the candidate's degree during 1953:

D. Yu. Ovsienko (D. Yu. Ovsienko), G. Ya. Kozirskiy and L. G. Khandros (3)

#### Institute of Geological Sciences

In the advertisement stating that the institute was taking aspirants for the candidate's degree in the specialties of geotectonics, paleontology, petrography of sedimentary rocks, geology of investigation and prospecting for ore deposits, mineralogy and prospecting geophysics, the address of the institute was given as Kiev, Ul. Lenina, 15. (47)

The deputy director of the institute, Andrey Yevtikhiyevich Babinets (A. Ye. Babinty), was awarded the Order "Badge of Honor" on 3 May 1954. (35)

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Nothing further is known about the organizational breakdown of the institute, except that four division and four laboratory heads were identified in the list of awards of 3 May 1954. The relationship of a division to a laboratory is not stated.

**Division Heads:**

Grigoriy Ivanovich Molyavko, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (35)

N.P. Semenenko, Vice-President of the academy (see under Presidium)

Pelageya Lukinichna Shul'ga, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (36)

Ivan Stepanovich Usenko, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (36)

**Laboratory Heads:**

Ol'ga Konstantinovna Kaptarenko-Chernousova, Doctor of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (35)

Ol'ga Vladimirovna Krasheninnikova, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (35)

Yekaterina Iosifovna Novik, Doctor of Geological and Mineralogical Sciences, awarded the Order of Lenin (34)

Yuriy Yur'yevich Yurk, Doctor of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (36)

Senior Scientific Associates of the institute who were identified in the awards:

Nataliya Mikhaylovna Baranova, Candidate of Geological and Mineralogical Sciences, awarded the Medal "For Labor Valor" (36)

Valentin Yakovlevich Didkovskiy, Candidate of Geological and Mineralogical Sciences, awarded the Medal "For Labor Valor" (36)

Mikhail Nikolayevich Ivantishin, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (35)

Fekla Yefimovna Lapchik, Candidate of Geological and Mineralogical Sciences, awarded the Order of Labor Red Banner (35)

Ivan Lazarevich Lichak, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (35)

Sergey Petrovich Rodionov, Doctor of Geological and Mineralogical Sciences, awarded the Order of Labor Red Banner (35)

Israil Davidovich Tsarovskiy, Candidate of Geological and Mineralogical Sciences, awarded the Order "Badge of Honor" (36)

Ivan Moiseyevich Yammichenko, Candidate of Geological and Mineralogical Sciences, awarded the Medal "For Labor Valor" (36)

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Other members of the institute are P. K. Zamoriy (50), Doctor of Geological Sciences (5) and Yelena Georgiyevna Kassiyura-Berezovskaya, Senior Laboratory Assistant in the institute, who was awarded the Medal "For Labor Valor" (36)

The following members of the institute successfully defended their dissertations for Candidate of [Geological and Mineralogical?] Sciences during 1953:

Ye. V. Ustinovskiy (Yu. V. Ustinovskiy) and A. Ye. Khatuntseva, Junior Scientific Associates of the institute, and aspirant (female) N. P. Vasulyuk (3)

#### Institute of Physics

Address: Kiev, Ul. Dobryy Put', 42. This was given when the institute advertised that it was taking aspirants for the candidate's degree in the specialties of theoretical physics, physical electronics, physics of semiconductors, spectroscopy, and the structure of matter. (47)

The following members of the institute were identified in the awards of 3 May 1954:

Director of the institute: Mitrofan Vasil'yevich Pasechnik, Candidate of Physicomathematical Sciences, who was awarded the Order of Labor Red Banner (35)

Heads of unnamed divisions in the institute:

Solomon Isaakovich Pekar, Doctor of Physicomathematical Sciences, awarded the Order "Badge of Honor" (35)

Antonina Fedorovna Prikhod'ko, Doctor of Physicomathematical Sciences, awarded the Order of Lenin (34)

Head of an unnamed laboratory: Yemel'yan Gervasiyevich Miselyuk, Candidate of Physicomathematical Sciences, awarded the Order "Badge of Honor" (35)

Senior Scientific Associates in the institute:

Grigoriy Avramovich Fedorus, Candidate of Physicomathematical Sciences, awarded the Order "Badge of Honor" (36)

Mark Davidovich Gabovich, Candidate of Physicomathematical Sciences, awarded the Medal "For Labor Valor" (36)

Ivan Dmitriyevich Konozenko, Candidate of Physicomathematical Sciences, awarded the Order "Badge of Honor" (35)

Anton Fedorovich Mal'nev, Candidate of Physicomathematical Sciences, awarded the Order "Badge of Honor" (35)

#### Physicotechnical Institute

[Earlier information on this institute is available in FDD Summary No 72.]

The address of the institute was given as Khar'kov, Yumovskiy Tupik, 2 when the institute announced that it was accepting aspirants for the candidate's degree in the specialties of theoretical physics and radio physics. (47)

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Nothing has been seen in source material regarding the work of the institute, and the following personnel have been identified from the list of awards made on 3 May 1954.

Director of the institute: Kirill Dmitriyevich Sinel'nikov, Doctor of Physicomathematical Sciences, awarded the Order of Lenin (33). Sinel'nikov is also stated to be a member of the presidium of the academy, but his position on it was not further elaborated. (6)

Deputy director of the institute: Anton Karlovich Val'ter, Doctor of Physicomathematical Sciences, who was awarded the Order of Lenin (33)

Heads of unnamed divisions in the institute:

Aleksandr Il'ich Akhiyezer, Doctor of Physicomathematical Sciences, awarded the Order "Badge of Honor" (33)

Semen Yakovlevich Braude, Doctor of Technical Sciences, awarded the Order of Labor Red Banner. (33) It should be noted that his field of activity is ultrashortwave radio, and that in 1943 and 1944 he was a member of the Laboratory of Electromagnetic Oscillations of the institute. (20)

Aleksandr Yakovlevich Usikov, Candidate of Physicomathematical Sciences, awarded the Order of Lenin. (33)

Heads of unnamed laboratories in the institute:

Aleksandr Iosifovich Shpetnyy, Candidate of Physicomathematical Sciences, awarded the Order "Badge of Honor" (33)

Aleksandr Yakovlevich Taranov, Candidate of Physicomathematical Sciences, awarded the Order of Labor Red Banner (33)

The following Candidates of Physicomathematical Sciences are all Senior Scientific Associates of the institute:

Nikolay Georgiyevich Afanas'yev, awarded the Order "Badge of Honor"

Veniamin Semenovitch Belosel'skiy, awarded the Medal "For Labor Excellence"

Georgiy Trofimovich Nikolayev, awarded the Order "Badge of Honor"

Nikolay Semonovich Rudenko, awarded the Medal "For Labor Excellence"

Boris Iyeremiyeovich Verkin, awarded the Medal "For Labor Excellence"

Boris Naumovich Yesel'son, awarded the Order "Badge of Honor"

Stepan Yakovlevich Zalivadnyy, awarded the Order "Badge of Honor" (33)

The following members of the institute successfully defended their dissertations for Candidate of Physicomathematical Sciences during 1953:

G. T. Nikolayeva and P. S. Markin, Junior Scientific Associates of the institute, and B. M. Rutkevich, Aspirant (3)

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## DEPARTMENT OF TECHNICAL SCIENCES

The department held a combined meeting with the Department of Technical Sciences of the Academy of Sciences USSR 10-11 May 1954 in Dnepropetrovsk. The meeting was to celebrate the 300th anniversary of the union of the Ukraine with Russia, and was attended by a delegation from the Academy of Sciences USSR, local engineers and technicians, and various political personalities from the Ukraine. The meeting was opened by G. N. Savin, the vice-president of the academy, who later also read a report entitled "The Development of Mechanics in the Ukraine and the Influence of Russian Scientists on It." Other reports were given by K. K. Khrenov and N. N. Dobrokhoto, both Active Members of the academy, V. A. Golubtsov, Corresponding Member, Academy of Sciences USSR, who read the report of Z. F. Chukhanov, Corresponding Member, Academy of Sciences USSR, V. I. Beyts, Corresponding Member, Academy of Sciences USSR, Academician A. A. Skochinskiy, G. F. Proskura, and M. A. Starikov. The last two are Active Members of the Academy of Sciences Ukrainian SSR.(6)

Institute of Ferrous Metallurgy

The institute announced that it was taking aspirants for the candidate's degree in the specialties of the metallurgy of cast iron, metallurgy of steel, metal studies and the heat working of metals, and mechanical equipment of metallurgical plants. At the same time, applicants were told to write to the institute at Dnepropetrovsk, Ul. Pisarzhevskogo, 5.(47)

The following were stated to be heads of unnamed divisions in the institute when they were awarded the Order of Lenin on 3 May 1954 (34):

Nikolay Nikolayevich Dobrokhoto (M. M. Dobrokhoto), Doctor of Technical Sciences and Maksim Vlasovich Lugovtsov, Doctor of Technical Sciences. Both are Active Members of the academy.(50)

Other members of the institute who were identified by awards at the same time were:

Yevgeniya Pavlovna Belyakova, Candidate of Technical Sciences, awarded the Order of Labor Red Banner (34)

Illarion Borisovich Strashnikov, Candidate of Technical Sciences, awarded the Order "Badge of Honor" (36)

Nataliya Aleksandrovna Voronova, Candidate of Technical Sciences, awarded the Medal "For Labor Valor".(36) All these are Senior Scientific Associates of the institute.

Ivan Grigor'yevich Lukavchenko was identified as a Junior Scientific Associate of the institute when he was awarded the Medal "For Labor Valor." (36)

The following members of the institute successfully defended their dissertations for Candidate of [Technical?] Sciences during 1953:

V. S. Bozhko, head of the Laboratory of Industrial Control [Kontrolya i Vprovadzhennya (Ukrainian)], Aspirant A. A. Nefedov (A. O. Nefedov), and Junior Scientific Associate V. A. Yefimov (V. O. Yefimov) (3)

Institute of Thermal Power Engineering

Address: Kiev, Ul. Chkalova, 55-b. The institute is taking aspirants for the candidate's degree in the specialties of turbine-building, boilers, and gas dynamics.(47)

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Only four awards were made to members of the institute on 3 May 1954. These were:

Vladimir Ivanovich Kuznetsov, Candidate of Chemical Sciences, head of an unnamed laboratory in the institute, awarded the Order of Lenin (34)

Anton Yemel'yanovich Lobko, Candidate of Technical Sciences, and a Senior Scientific Associate in the institute, awarded the Order "Badge of Honor" (35)

Leonid Ivanovich Romanyuk, Candidate of Chemical Sciences and a Senior Scientific Associate in the institute, awarded the Order "Badge of Honor" (36)

Aleksandra Semenovna Yeremenko-Shvets, Candidate of Technical Sciences and a Senior Scientific Associate of the institute, awarded the Medal "For Labor Valor" (36)

The following aspirants in the institute successfully defended their dissertations for the candidate's degree during 1953:

N. N. Kondak (M. M. Kondak), N. N. Nazarchuk (M. M. Nazarchuk), V. I. Pechuk, G. P. Dobrovol'skiy and B. I. Fedorov (3)

Institute of Electrical Engineering

The institute is taking aspirants for the candidate's degree in the specialties of instruments, and equipment for automatics and telemechanics. Its address is Kiev, Ul. Chkalova, 55-b.(47)

The institute publishes Sbornik Trudov (Symposium'), of which Issue No 11 has just been advertised. The advertisement stated that the following articles were included: N. P. Pokhilo, "Graphic Method for Calculating Static Operating Conditions of a Symmetrical Trigger with Automatic Bias"; I. V. Akalovskiy, "Calculation of the Grid Circuit of a Vacuum Tube Oscillator"; A. K. Kotelnikov, "The Fresnel Formulas Which Can Be Used in Radio Engineering." At the end of the book are descriptions of circuits and equipment developed in the institute, such as narrow-band frequency relays, a stand for investigating trigger circuits, and a transducer of pulses for laboratory investigations.(49)

The following are identified with the institute in the awards of 3 May 1954:

Igor' Verovich Akalovskiy, Candidate of Technical Sciences, and deputy director of the institute, was awarded the Order "Badge of Honor." (35) It is presumed that his promotion to this post has taken place since May 1953, when he was stated to be a Senior Scientific Associate [redacted]

Three laboratory heads have been awarded honors, but the names of the laboratories they control were not given. They are:

Konstantin Konstantinovich Khrenov, Doctor of Technical Sciences, who was awarded the Order of Lenin.(34) Khrenov is also said to be supervising work on new ceramic fluxes for automatic arc welding which greatly increase the quality and strength of the welded seams.(21)

Aleksandr Nikolayevich Milyakh, Candidate of Technical Sciences, who was awarded the Order "Badge of Honor" (35)

Lev Veniaminovich Tsukernik, Candidate of Technical Sciences, who was awarded the Order of Labor Red Banner.(35)

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Other members of the institute who have been identified are:

Aleksey Grigor'yevich Ivakhnenko, Candidate of Technical Sciences, and a Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor" (36).

F. T. Markovskiy, Candidate of Technical Sciences, who headed a group of scientists from the institute sent to investigate problems of electrification of kolkhozes in the Snigirevskiy Rayon (2)

I. K. Parra, Junior Scientific Associate of the institute, was advertised as publicly defending his dissertation "Investigation of Magnetic Amplifiers with Feedback, Used in Measuring Systems" for the degree of Candidate of Technical Sciences on 22 April 1954. His official opponents were given as I. I. Greben', Doctor of Technical Sciences and G. K. Nechayev, Candidate of Technical Sciences. (31) The affiliation of these two scientists is not known.

Three members of the institute successfully defended dissertations for candidate's degree during 1953. They were:

B. Ye. Kubishin, V. Ye. Krutikova and N. A. Kachanova. (3)

It was announced in January 1954 that a December 1953 meeting of the presidium of the academy had ordered the formation of a Laboratory of the Electrification of Agriculture in the institute, but nothing further as to its mission or personnel was given. (1)

#### Institute of Construction Mechanics

The address of the institute is Kiev, Ul. Chkalova, 55-b. (31)

The following members of the institute were identified by the awards of 3 May 1954:

Fedor Pavlovich Belyankin, Doctor of Technical Sciences, the director of the institute, who was awarded the Order of Lenin (34)

Pavel Sergeyevich Polyakov, Candidate of Technical Sciences, scientific secretary of the institute, who was awarded the Medal "For Labor Valor" (36)

Heads of unnamed divisions include:

Boris Dmitriyevich Grozin, Doctor of Technical Sciences, who was awarded the Order of Labor Red Banner (34)

Nikolay Vasil'yevich Kornoukhov, Doctor of Technical Sciences, who was awarded the Order of Lenin (34)

Anatoliy Dmitriyevich Kovalenko [see under Presidium]

Head of an unnamed laboratory is:

Volf Grigor'yevich Chudnovskiy, Doctor of Technical Sciences, who was awarded the Order "Badge of Honor" (36)

Senior Scientific Associates of the institute:

Igor' Ivanovich Ishchenko, Candidate of Technical Sciences, who was awarded the Medal "For Labor Valor" (36)

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Nikolay Pavlovich Khotyaintsev, Candidate of Technical Sciences, who was awarded the Medal "For Labor Valor" (36)

Kuz'ma Ivanovich Kolenchuk, Candidate of Technical Sciences, who was awarded the Order of Labor Red Banner (34)

V. O. Kononenko, Candidate of Technical Sciences, who was advertised as defending his dissertation for the doctor's degree on 2 February 1954. The dissertation was entitled "Auto-Oscillations in Mechanical Systems Dependent on Friction," and his official opponents were to be G. N. Savin [see under Presidium], S. V. Serensen, and G. S. Pisarenko (25). [Serensen is a member of the Institute of Agricultural Mechanics and Machine Studies and Pisarenko is a member of the institute; ]

Viktor Grigor'yevich Popkov, Candidate of Technical Sciences, who was awarded the Medal "For Labor Valor" (36)

Aleksandra Ivanovna Strel'bitskaya, Candidate of Technical Sciences, who was awarded the Order "Badge of Honor" (36)

Other members of the institute:

V. F. Trofimovich, Junior Scientific Associate of the institute, was advertised as publicly defending his dissertation "Supporting Power of Trussed Girders" for the degree of Candidate of Technical Sciences. His official opponents were to be V. G. Chudnovskiy [see above] and L. P. Kunitskiy, Candidate of Technical Sciences [no affiliation known]. (31)

The following successfully defended their dissertation for candidate during 1953:

Junior Scientific Associates V. A. Shevchuk, A. M. Rubach (O. M. Rubach) (female), and V. Z. Itenberg

Aspirants V. P. Yatsenko, Z. M. Mazurmovich and Z. D. Kostyuk (3)

Institute of Mining imeni N. N. Fedorov [not initials]

Address: Kiev, Ul. Chudnovskogo, 3. The institute is taking aspirants for the candidate's degree in the specialties of underground development of ore and non-ore strata, open [cast] working of strata, mine transport, mining mechanics, mine ventilation, and mining machinery building. (47)

No member of the institute was honored in the awards of 3 May 1954.

N. O. Bentsel', Junior Scientific Associate of the institute, successfully defended his dissertation for Candidate of [Technical?] Sciences during 1953. (3)

Institute of Hydrology and Hydraulic Engineering

The address of the institute is Kiev, Ul. Artema, 45. Aspirants are being taken for the candidate's degree in the specialties of hydraulic engineering installations, hydraulics, engineering hydrology, and hydromechanization. (47)

Three awards were made to members of the institute on 3 May 1954:

Georgiy Iosifovich Sukhomel, Doctor of Technical Sciences and Director of the institute, was awarded the Order of Lenin. (34)

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Mikhail Mefodiyevich Didkovskiy, Candidate of Technical Sciences and head of an unnamed laboratory in the institute, was awarded the Order of Labor Red Banner.(34)

Viktor Moiseyevich Zass, Candidate of Technical Sciences and a Senior Scientific Associate of the institute, was awarded the Order of Labor Red Banner.(34)

Other members are:

S. G. Kobernik, an engineer in the institute (2)

G. M. Spirinyy, Junior Scientific Associate of the institute, was scheduled to defend his dissertation in public for the degree of Candidate of Technical Sciences on 2 February 1954. Its title was "Investigation of the Pressure Condition of Concrete Spillway Dams on a Rock Foundation," and the official opponents were to be Professor P. M. Varvak (of the Institute of Construction Mechanics where the defense was taking place), and N. S. Rozanov, Candidate of Technical Sciences [affiliation unknown].(25)

#### Institute of Gas Utilization in the Communal Economy and Industry

The institute advertised that it was taking aspirants for the candidate's degree in the specialties of the control of heat-operated equipment and the utilization of heat in industry. The address was given as Kiev, Ul. Mel'nika, 44.(47)

In the awards on 3 May 1954, the director of the institute, Viktor Filimonovich Kopytov, who was awarded the Order of Labor Red Banner (35), was stated to be a Candidate of Technical Sciences. An earlier source (3) stated, however, that Kopytov had successfully defended his dissertation "Investigation of the Heat of Steel" in the Institute of Ferrous Metallurgy at some unspecified time in 1953 and had been granted the degree of Doctor of Technical Sciences.

Yuriy Georgiyevich Kornilov, Candidate of Technical Sciences and Acting head of an unnamed division in the institute, was awarded the Medal "For Labor Valor".(36) It was in these two awards that the full name of the institute was used.

#### Laboratory of Special Alloys

The address of the laboratory was given as Kiev, Lavra, Tsitadel' 9, building 15, when it advertised that it was taking aspirants for the candidate's degree in the specialty of metal studies and heat working of metals.(47)

No member of the laboratory has been identified.

An article by A. N. Shcherban' in a Bulgarian technical periodical gave the following description of the work of the laboratory:

"The Laboratory of Special Alloys has successfully introduced various methods for utilizing iron dust (zhelezen prakh) and ceramic-metals in various industries.

"Associates of the laboratory, together with the Kiev Tramway-Trolley Bus Administration, are investigating the substitution of copper-graphite current collectors for trolley buses by iron-powder collectors. The wear resistance of these new collectors is more than six times greater than that of the copper-graphite collectors under normal conditions, and allows an annual saving of more than 30,000 rubles and 9 tons of copper.

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"Associates of the laboratory have achieved considerable success in introducing a complex electrical method for the protection of long-distance gas lines from corrosion. This has been used on the 509 kilometer length of the Dashava-Kiev gas line, and analysis shows that it lowers the intensity of corrosive deterioration of pipes by from 65-90%."(21)

Laboratory of Problems of High-Speed Machines and Mechanisms

Georgiy Fedorovich Proskura, Doctor of Technical Sciences, was identified as the director of the laboratory when he was awarded the Order of Lenin on 3 May 1954.(35)

The only other member identified is S. O. Parshchik, Junior Scientific Associate of the institute, who was stated to have successfully defended his dissertation for the candidate's degree during 1953.(3)

Institute of Electric Welding imeni Ye. O. Paton

The institute advertised that it was taking aspirants for the candidate's degree in the specialty of machines and the technology of welding production. The address was given as Kiev, Ul. Gor'kogo, 69.(47)

The following account of part of the work of the institute is taken from an article by A. N. Shcherban' in a Bulgarian technical journal:

"Personnel of the institute have improved the theory of welding and equipment for automatic and semiautomatic welding with a flux which meets the needs of machine building and other branches of industry. The institute has in recent years completed a series of industrial tests of welding methods which it had previously developed.

"A very productive method for contact welding pipe seams has been developed by the institute and been put to wide use in the construction of main pipelines such as the Dashava-Moscow gas line. The institute maintains seven production units jointly with the Kiev Mechanical Repair Plant, and these are working on the construction of pipelines in Siberia and in the Tatar ASSR. The average production of these units is 50-60 connections or 600-700 meters of pipeline per shift." (21)

More information on the institute's Wagon Laboratory (which should more properly be called the Laboratory Car) was given in a newspaper article entitled "Propaganda of the Newest Methods of Electric Welding". This article stated that the car had been parked for a month at the Riga Station in Moscow, and during that time, many of the capital's workers and engineers had visited it in order to acquaint themselves with the newest aids and methods of welding which were being introduced into industry. The car exhibited models of an apparatus on rails for welding in the vertical plane, a magnetic walking automatic machine for welding vertical joints, and the powerful "TS-26" welding tractor. It appears that the Laboratory Car was organized nearly eight years ago and has since visited many cities of the Soviet Union. It is staffed by associates of the institute, who demonstrate its apparatus and teach new welding methods.(48)

The following have been identified as members of the institute:

B. Ye. Paton, Doctor of Technical Sciences (17), the director of the institute. Works include "A New System for the Regulation of a Welding Arc (17)", and "Certain Examples of Brittle Destruction of Welded Joints in Gaspipe Tubes," with A. Ye. Asnis.(19)

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Isidor Il'ich Frumin, Candidate of Technical Sciences and head of an unnamed laboratory in the institute, who was awarded the Order "Badge of Honor" on 3 May 1954. His works include "Increase of the Stability of Rollers by Means of [Welded] Beading." This work stated that the flux AN-20 was developed by D. M. Rabkin, V. V. Podgayetskiy, Ye. I. Leynachuk, and himself in the institute. At the end of the article, Frumin thanks V. S. Shirina, a technician in the Laboratory of Welding Metallurgy of the institute, for her assistance. It is possible, therefore, that Frumin is the head of this laboratory. (19)

Aleksandr Andreyevich Kazimirov and Arseniy Martynovich Makar, both Candidates of Technical Sciences, were identified as heads of unnamed laboratories when they were awarded the Medal "For Labor Valor." (36)

Georgiy Vladimirovich Rayevskiy, head of an unnamed laboratory and Platon Ivanovich Sevbo, head of an unnamed division in the institute, both of whom are Candidates of Technical Sciences, were awarded the Order "Badge of Honor." (36)

A. Ye. Asnis, Candidate of Technical Sciences, was coauthor of a work with B. Ye. Paton and also the article "The Problem of the Effect of Oxycetylene Cutting on the Surface of the Cut" with A. S. Dem'yanchuk, Scientific Associate of the institute. (19)

S. M. Gurevich, Candidate of Technical Sciences. Works include "Method of Bringing out the Austenitic Grains in the Weld Zone of Medium Carbon and Alloy Steels" with A. A. Rossoshinskiy, Scientific Associate of the institute (17), and "Appraisal of the Weldability of Alloy Steels from Data from Thermokinetic Curves." (17)

L. M. Gutman, Scientific Associate of the institute. Works include "Automatic Welding of Drive Pipes under a Flux," with Engineer M. G. Bel'for of the institute. (17)

Ye. S. Kudeliya, Candidate of Technical Sciences. Works include "Problem of the Nature of Processes on Electrodes in Spark Stimulation of the Spectrum" (18) and "Investigation of the Composition and Homogeneity of a High Alloy Fused Metal by the Spectral Method," with Engineer V. P. Subbotovskiy of the institute. (19)

B. I. Medovar, Candidate of Technical Sciences. Works include "The Effect of Cold Working and Stabilizing Tempering on the Mechanical and Corrosion Properties of 1Kh18N9T Steel," with Engineer A. G. Potap'yevskiy of the institute (18), and "The Sigma-Phase in Welded Joints of Nickel Chrome Austenite Steel of the 18-8 Type" with Engineer Rossoshinskiy. (19)

N. G. Ostapenko, Candidate of Technical Sciences. Works include "Contact Welding of Pins to Screen Tubes of Boilers" with Engineer P. M. Prikhod'ko of the institute. (17)

D. M. Rabkin, Candidate of Technical Sciences. Works include "The Mechanical Properties of Welded Joints of the Aluminum Alloy AMts." (19)

The following members of the institute were listed as successfully defending their dissertations for the candidate's degree during 1953: N. A. Langer (N. O. Langer), V. V. Podgayetskiy, and Ye. S. Kudeliya. (3)

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## DEPARTMENT OF BIOLOGICAL SCIENCES

The Jubilee Session of this department was held in Odessa on 10-11 May 1954, and was attended by some 500 persons.(6)

Institute of Microbiology imeni D. K. Zabolotnyy

The address of the institute is Kiev, Ul. B. Zhitomirskaya, 28. It has advertised that it is accepting aspirants for the candidate's degree in the specialties of agricultural microbiology, virology, and the botany of lower plants (mycology).(47)

Viktor Grigor'yevich Drobot'ko, Doctor of Biological Sciences [note difference in initial and spelling ] was again identified as the director of the institute when he was awarded the Order of Lenin on 3 May 1954.(34)

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Petr Yevtkhiyevich Vizir', Candidate of Medical Sciences, was identified as the deputy director of the institute when he was awarded the Order of Labor Red Banner on 3 May 1954.(34) An earlier source, however, stated that Vizir' successfully defended his doctoral dissertation "Investigation of the Antibacterial Properties of Penicillin" in the Kiev Medical Institute at some unspecified time in 1953, and as a result was granted the degree of Doctor of Medical Sciences.(3)

Nikolay Makarovich Pidoplichko, Candidate of Biological Sciences, was identified as the head of an unnamed division in the institute when he was awarded the Order of Lenin on 3 May 1954.(34) Another source (14) stated that Pidoplichko organized the Division of Mycology in the institute in 1933, and that V. I. Bilay, P. D. Yatel', M. I. Gomolyako, and T. V. Kholabud have all worked in it.(14)

Leyb Iosifovich Rubenchik, Doctor of Biological Sciences, was also stated to be the head of an unnamed division when he was awarded the Order of Labor Red Banner at the same time (35)

Other members of the institute are:

Berta Yefimovna Ayzenman, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, awarded the Order "Badge of Honor" (35)

Vera Iosifovna Bilay, Candidate of Biological Sciences, and a Senior Scientific Associate of the institute, awarded the Order of Labor Red Banner. (34) Works include "Tasks of Agricultural Microbiology in the Light of the Decisions of the March Plenum of the Central Committee of the Communist Party of the Soviet Union." (2)

K. I. Bel'tyukova, who is stated to be working on microcides (2)

The following were stated to have successfully defended their dissertations for the candidate's degree during 1953:

A. P. Sinel'nikova (O. P. Sinel'nikova), L. V. Lapa, B. G. Zatulovskiy and T. A. Galkina (T. O. Galkina). All are members of the institute.(3)

Institute of Botany

Address is Kiev, Ul. Chudnovskogo, 2. The institute is taking aspirants for the candidate's degree in the specialties of botany of higher plants, and the botany of lower plants (lichenology).(47)

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Dmitriy Konstantinovich Zerov, Doctor of Biological Sciences and director of the institute, was awarded the Order of Lenin on 3 May 1954.(34)

Gavrill Ivanovich Bilyk (G. I. Bilik), Candidate of Biological Sciences and deputy director of the institute, was awarded the Order of Labor Red Banner at the same time.(34) He was also reported as having given a lecture entitled "Natural Feed Lands and Measures for Their Improvement." (2)

The institute has six divisions.(14) These are:

#### 1. Division of Geobotany

Danill Yakovlevich Afanas'yev, Candidate of Biological Sciences, was identified as the acting head of the division when he was awarded the Order "Badge of Honor." (35, 13) Works include "Natural Feed Lands of the Ukrainian SSR, Their Improvement, and Planned Utilization." (13)

Fedor Aleksandrovich Grin', Candidate of Biological Sciences, identified as a Senior Scientific Associate of the institute when he was awarded the Order "Badge of Honor." (37) He was identified with the division in his work "The Past and Future of Spinneys in the Sands of the Lower Dnepr." (13)

V. O. Povarnitsin [who has been identified as a Corresponding Member of the academy and a member of the Scientific Council of the institute; cf. 00-W-28497], may be a member of the division, for he wrote an eight-page article entitled "The Contribution of Russian and Ukrainian Scientists in the Investigation of the Flora of the Ukrainian SSR" which dealt with the work of geobotanists.(14)

#### 2. Division of Higher Plants

The head of the division, Mikhail Ivanovich Kotov, Doctor of Biological Sciences, was awarded the Order of Lenin on 3 May 1954.(34) Other members of the division are:

Andrey Ivanovich Barbarich, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor." (35) His works include "The Basis of Stages of Study of Flora of the Ukraine." (14)

Yevgeniy Nikolayevich Kondratyuk, Candidate of Biological Sciences and Senior Scientific Associate of the institute, who was awarded the Medal "For Labor Valor" (36), and was identified with the division in his articles "The Phenomenon of Destruction of Polarity in Pine Trees," which was written in conjunction with G. Kh. Molotkovskiy of the Chair of Plant Physiology, Chernovtsy State University (13), and "Destruction of Polarization in the Seeds of the Common Pine." (14) It is presumed that he still remains a member of the Herbarium imeni P. M. Krylov; [redacted]

Yelena Dmitriyevna Visyulina (Ye. D. Visyulin) a member of the division [cf. 00-W-28497], was identified as a Candidate of Biological Sciences and a Senior Scientific Associate of the institute when she was awarded the Order of Labor Red Banner (34)

#### 3. Division of Cytology and Embryology

Yef. S. Modilevskiy has published two articles: "Inheritance of Flower Forms in *Fagopyrum Sagittatum* Gilib" (13) and "Scientific Liaison of Russian and Ukrainian Scientists in the Field of Plant Embryology." (14)

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## 4. Division of Mycology

Semen Filimonovich Morochkovskiy, Doctor of Biological Sciences and head of the division, was awarded the Order of Labor Red Banner on 3 May 1954. (35) His works include "History of the Development of Mycological Research in the Ukraine." (14) This article identifies the following as members of the division: G. G. Radziyevskiy, N. I. Yefimova, and A. V. Isayeva (O. V. Isayeva)

Mariya Yakovlevna Zerova, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, was awarded the Order of Labor Red Banner. (34) Her article "Distribution of Micorhizal Fungus Scleroderma Verrucosum (Vaill.) Pers. and Certain Other Casteromycetes in the Ukrainian SSR" identifies her with the division. (14)

## 5. Division of Plant Physiology

The following have been identified with the division:

Nikolay Arkhipovich Lyubinskiy (M. A. Lyubinskiy), Candidate of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Labor Red Banner. (35) His works include "The Liaison of Ukrainian and Russian Scientists in the Development of Plant Physiology." (14)

K. M. Sytnik (K. M. Sitnik), shown as a member of the division in his work "The Problem of Physiological Reasons for Leaves Falling from Lemon Trees" (13)

A. I. Zakardonets. Works include: "The Problem of Multiplication of Seeds of Schizandra Chinensis Baill." (13)

## 6. Division of Seed Plants

It is considered that this is a more accurate translation of the Ukrainian title than "Division of Sporophytes" [redacted]

M. F. Makarevich, author of the work "New Type of Species Acrocordia" is the only scientist identified with the division. (14)

Other members of the institute are:

Anna Fedorovna Bachurina, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order "Badge of Honor" on 3 May 1954. (35)

Yelizaveta Modestovna Bardis, Doctor of Biological Sciences and a Senior Scientific Associate of the institute, awarded the Order "Badge of Honor". (35)

Dar'ya Nikitichna Dobrochayeva, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, awarded the Medal "For Labor Valor" (36)

Mikhail Vasil'yevich Klovov, Doctor of Biological Sciences and a Senior Scientific Associate of the institute, awarded the Order of Lenin (34)

A. M. Oksner, author of the article "Achievements of Soviet Scientists in the Study of Lower Plants of the Ukrainian SSR" (14)

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Defense of Dissertations

The following members of the institute successfully defended their dissertation for the candidate's degree during 1953:

L. K. Dzyubenko, Junior Scientific Associate of the institute (3), "Embriology of Corn in Connection with the Vegetative Hybridization and Different Ripening of Grains" (14)

N. A. Moshkova (N. O. Moshkova) "Benthic Coastal Algae Flora of the Upper Part of the Central Dnepr and its Agricultural Significance" (14)

Ya. D. Romashko was advertised as defending his dissertation "Biological Specialities of the Fertility of Apple Trees and the Phenomenon of the Falling of Flowers, Germs, and Fruit" in the institute of 5 March 1954. His official opponents were to be Prof. D. K. Larionov, Doctor of Biological Sciences [affiliation unknown], and I. Ye. Kocherzhenko, Candidate of Biological Sciences 32 of the Sochi Experimental Station of Southern Fruit and Subtropical Plants (20).

Botanical Gardens

The gardens are taking aspirants for the candidate's degree in the specialty of dendrology. The address was given as Kiev, Ul. Vydubetskaya, 47.(47)

N. N. Grishko (M. M. Grishko), the director of the gardens, has been identified as a Professor and a Doctor of Agricultural Sciences.(28)

M. I. Bondar is the scientific secretary of the gardens.(3)

Ivan Yemel'yanovich Driga (I. O. Drig), Candidate of Biological Sciences, was identified as the head of one of the divisions in the institute, when he was awarded the Order of Labor Red Banner on 3 May 1954.(34)

S. S. Kharkevich, Junior Scientific Associate of the gardens (14), working in the Division of Flora and Vegetation (13), was reported to have successfully defended his dissertation for the candidate's degree before the Scientific Council of the Institute of Botany during 1953.(14) The title of his dissertation was "High Mountain Flora of the Southern Caucasus and the Possibility of Its Utilization Under the Conditions of the Ukrainian SSR." He has also published "Utilization of Useful Plants of the High Mountains of the Northern Caucasus in the Ukrainian SSR." (13)

Ivan Mironovich Shaytan, Candidate of Biological Sciences and a Senior Scientific Associate of the gardens was awarded the Medal "For Labor Valor" on 3 May 1954.(36)

A. I. Sokolovskiy's works include "Investigation of the Root Systems of Growth Associations in the Meadows of the Central Part of the Central Dnepr Valley." (13)

The presidium of the academy announced that the Kiev Acclimatization Garden, which is under the jurisdiction of the Botanical Gardens, has been given the title "imeni Active Member of the Academy of Sciences Ukrainian SSR M. F. Kashchenko." (1)

Institute of Physiology imeni A. A. Bogomolets

When advertising that the institute was taking aspirants for the candidate's degree in the specialties of normal physiology, and biological physics, the address of the institute was given as Kiev, Ul. Bogomol'tsa, 21.(47)

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The director of the institute, Anatoliy Markovich Vorob'yev, Doctor of Medical Sciences, and the deputy director, Aleksandr Fedorovich Makarchenko, Candidate of Biological Sciences, were both awarded the Order of Labor Red Banner on 3 May 1954.(34, 35)

## Laboratory of the Control of Silicosis

No further information.

## Laboratory of Biophysics

The Head of the laboratory, Aleksey Afanas'yevich Gorodetskiy, Doctor of Medical Sciences, was awarded the Order of Lenin.(34) He has also published "The Effect of Xrays on the Composition of Radioactive Phosphors in Brown-Pearce (Brown-Pirs, Rabbit Carcinoma" with Ye. Ye. Chebotarev (E. E. Chebotarev), who is also a member of the laboratory.(12)

## Laboratory of the Morphology of the Nervous System

The head of the laboratory, Aleksandra Ivanovna Smirnova-Zamkova, Doctor of Medical Sciences, was awarded the Order of Lenin on 3 May 1954.(34)

## Laboratory of Higher Nervous Activity of Men and Animals

No further information.

## Laboratory of Physiology of Digestion

See A. M. Vorob'yev.

## Laboratory of the Physiology of Circulation of the Blood and of Breathing

The head of the laboratory, Nikolay Nikolayevich Gorev, Doctor of Medical Sciences, was awarded the Order of Lenin on 3 May 1954.(34) His works include: "The Characteristics of the Functional Condition of the Central Nervous System in Hypertension," with M. I. Gurevich, who is also a member of the laboratory.(11)

M. A. Kondratovich. Works include "The Effect of Disruption of the Blood Supply in the Sinocarotid Area on the Excitability of the Vaso-Motor Center." (10) He successfully defended his dissertation for candidate during 1953.(3)

## Laboratory of Endocrinal Functions

Vassiliy Pavlovich Komissarenko, Doctor of Medical Sciences, the head of the laboratory, was awarded the Order of Labor Red Banner.(35)

## Laboratory of the Physiology of Farm Animals

No further information.

## Laboratory of Compensatory and Preventive Functions

Rotislav Yevgen'yevich Kavetskiy, Doctor of Medical Sciences and head of the laboratory was awarded the Order of Lenin on 3 May 1954.(34) His works include "Development of Medicine in Kiev, Russia and the Medical Ties of the Ukraine and Russia in the 17th Century" with K. P. Balitskiy (11), and "The Role of Modifications of the Central Nervous System in the Pathogenesis of Tumors." (12)

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K. P. Balitskiy: In addition to the historical article he wrote with Kavetskiy, his works include "The Effect of Short-Time Conditioned Reflex Stimulation of the Central Nervous System and Drug-Induced Sleep on the Cancerlytic Properties of Blood Serum and the Cytological Picture of Blood Exudate in Rats." (10)

Ye. D. Genis: Works include "The Effect of Prolonged Conditioned Reflex Stimulation on Certain Immunobiological Indicators in the Blood Serum of White Rats." (10)

N. M. Turkevich was stated to be in "our" laboratory in an article by R. Ye. Kavetskiy. (12)

Yu. A. Umanskiy was stated to be a member of the laboratory in Gorodetskiy and Chebotarev's article (see Laboratory of Biophysics), (12). Works include "Living Determination of the Accumulation of Radiophosphorus in Tumors Grafted in the Skin and in the Normal Skin of a Rabbit." (12)

Laboratory of the Living Substance of Cells and Tissues

Aleksandr Dmitriyevich Timofeyevskiy, Doctor of Medical Sciences, and head of the laboratory, was awarded the Order of Lenin on 3 May 1954. (34) His works include "Contemporary Condition of Knowledge of the Virus Etiology of Tumors." (11)

Division of Psychiatry and Pathology of Higher Nervous Activity

Viktor Pavlovich Protopopov, Doctor of Medical Sciences and head of the division was awarded the Order of Lenin. (34) Works include "Therapeutic Effect of High Mountain Conditions on the Mentally Ill" in conjunction with N. N. Sirotinin. This work states that S. D. Rasin is a member of the division. (11)

Division of Clinical Physiology

No further information.

Division of Comparative and Developmental Physiology

N. N. Sirotinin (M. M. Sirotinin, in an article written by himself and V. P. Protopopov, stated that he was the head of this division, and that V. V. Turanov and A. Z. Kolchinska were Junior Scientific Associates in it. (11) Works by Sirotinin include "Pathophysiological Proof and Conditions of Healing of Schizophrenia in High Mountain Climates" (11) and "The Influence of Lowered Partial Pressure of Oxygen on the Higher Nervous Activity." (6)

Vsevolod Dmitriyevich Yankovskiy, Doctor of Medical Sciences and a Senior Scientific Associate of the institute, is a member of the division (10) who was awarded the Order of Lenin. (34) Works include "The Problem of Restoration of the Functions of the Central Nervous System and Gas Metabolism in Animals Which Have Died from Hypoxia and Have Been Revived With the Assistance of Artificial Blood Circulation." (10)

The following have been identified as members of the institute, but not with any laboratory or division:

Anton Yerofeyevich Khil'chenko, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Lenin (34)

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Yevgeniy Viktorovich Kolpakov, Doctor of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Lenin (34)

Mina Borisovna Medvedev, Doctor of Medical Sciences and a Senior Scientific Association of the institute, who was awarded the Order of Lenin. (34) Works include "Data on the Prerevolutionary Ukrainian Study of Hypophysis Cerebri." (11)

B. S. Ruchkovskiy: Works include "The Priority of Ukrainian Scientists in the Development of the Virus Theory of the Etiology of Tumors. Part II. Development of the Theory After the Great October Socialist Revolution." (12)

Ye. M. Sammdzhan: Works include "The Effect of Functional Weakening of the Cerebral Cortex on the Growth of Transmissible Tumors in Mice." (13)

M. P. Sirotina: Works include "Transmissibility of Epilich's Cancer in Mice During the Introduction of a Lowered Quantity of Tumor Cells." (12)

Members of the institute who successfully defended dissertations for the candidates degree during 1953 were:

K. O. Biletskiy, Scientific Associate of the institute, and Aspirant (female) N. I. Bokalyuk. (3)

#### Institute of Hydrobiology

The address of the institute is Kiev, Ul. Vladimirska, 44, and it has advertised that it is taking aspirants in the specialties of ichthyology and marine microbiology. (47)

The following have been identified as members of the institute:

Aleksandr Markovich Almazov, Candidate of Chemical Sciences and head of an unnamed division in the institute, who was awarded the Medal "For Labor Valor" on 3 May 1954 (36)

V. A. Movchan, Corresponding Member of the academy, was reported to have headed a group of scientists from the institute who went to the Snigirevskiy Rayon, to gather material on fish breeding. Movchan also published the article "Fish Breeding in Small Reservoirs and Reservoirs of Hydroelectric Stations", in which he mentions the Division of Experimental Ecology of Fish, which is part of the institute. There is, however, nothing to prove that he is connected with this division. (2)

M. V. Tovbin, Doctor of Chemical Sciences. (37) Works include "Method of Determining the 'Colloid' Fraction of Organic Substances in Natural Waters" with Yu. G. Maysterenko, who is also a member of the institute. (9)

The name Korotkovich (as it was spelled ) has also been seen in the version "Korotkevich." (23)

The following aspirants of the institute were stated to have defended their dissertations for candidate during 1953:

P. S. Vovk and P. G. Sukhoyvin (3)

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Institute of Biochemistry

The institute stated that it was taking aspirants for the candidate's degree in the specialty of biological chemistry of animals and gave its address as Kiev, Ul. Leontovicha, 9.(47)

A short history of the institute, written for popular consumption, is to be found in the article "Biochemistry of the Cerebrum," by Academician A. V. Palladin, the director of the institute.(22) A footnote in this article states that Ye. Ye. Goncharova and A. A. Rybina are associates of the institute. Palladin's works also include "Investigation of the Change of Substances in the Cerebrum in its Different Functional Conditions." (16)

Other members of the institute and their works are:

I. A. Anina: "Spectrophotometric Investigation of Myosin and Actine Extracted from the Muscles of Various Animals," with V. F. Bendt, who is also a member of the institute.(16)

R. V. Chagovets was reported to have successfully defended his dissertation before the Scientific Council of Kiev State University in 1953, and to have been awarded the degree of Doctor of Biological Sciences.(3) He has also published the article "First Investigations of Catalysis and Ferments in Russia," which identified him with the institute.(16)

Maksim Fedotovitch Gulyy, Corresponding Member of the academy (2), Doctor of Biological Sciences and head of an unnamed laboratory in the institute(34) [although another source states that he is head of a division (1)], was awarded the Order of Labor Red Banner.(34) His works include: "Fractionization and Crystallization of Water-Soluble Muscle Proteins" with P. D. Dvornikova, M. A. Kolomyichenko and Ye. Ya. Popadyuk, who are all members of the institute.(16)

Bella Iosifovna Khaykina, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, was awarded the Order "Badge of Honor".(36) She has been mentioned as taking part in A. V. Palladin's work.(22)

Vasiliy Pavlovich Korotkoruchko, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, was awarded the Medal "For Labor Valor".(36) Works include "Some Qualitative Metabolic Changes in Malignant Tumors" (12)

O. V. Lobachevskaya: "Immunochemical Properties of the Natural and Denatured Forms of Gamma Globulin" (15)

Ts. M. Shtutman: "The Problem of Distribution of Bromine in the Nervous System of Animals After the Introduction of Bromide" (16)

Aleksandr Solomonovich Tsiperovich, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, was awarded the Order "Badge of Honor." (36)

V. A. Velitser: "Determination of the Activity of Ferments Causing Milk Curdling" with Ye. L. Khodorova and A. S. Tsyperovich [it is presumed that the latter is the same as Tsiperovich above, but that either a typographical error has been made or two different transliterations have been made from the Ukrainian to the Russian]. The article states that Tsyperovich worked in the Laboratory of Ferments of the institute, and it is therefore possible that all three are members of this laboratory.(16)

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## Conference on the Biochemistry of the Nervous System

This conference was held in Kiev 15-19 December 1953, and the task of organizing it was delegated to the institute by the Council for the Coordination of Scientific Work of the Union Republics under the Presidium of the Academy of Sciences USSR. During the conference, in which 174 scientists took part, 21 scientific reports were read. Only those made by members of the Institute of Biochemistry, Academy of Sciences Ukrainian SSR are given here:

A. V. Palladin: Opening remarks and the report: "Aims and Successes of Research on the Biochemistry of the Cerebrum"

B. I. Khaykina: "Ammonia of the Cerebrum as a Specific Biochemical Indicator of the Functional Condition of the Central Nervous System"

E. B. Skvirskaya and T. P. Silich jointly: "The Metabolism of Phosphor-Containing Compounds in the Brain Under Different Conditions of the Nervous System"

N. M. Polyakova: "Nonsaponification Fractions of the Cerebrum"

Ye. V. Lakhno (Yu. V. Lakhno) and R. V. Chagovets jointly: "The Effect of Irritation of the Extremities on the Regenerative Properties of the Brain"

S. P. Epshteyn: "Metabolism in Muscles Under Different Functional Conditions of the Nervous System"

The conference was ended with a few remarks from Academician Palladin. (16)

## Defense of Candidate's Dissertations

The following were reported to have successfully defended their dissertations during 1953:

L. M. Kuznetsova, Junior Scientific Associate of the institute, R. G. Degtyar, Laboratory Assistant (female), and G. G. Didenko, Aspirant (female). (3)

Institute of Zoology

The institute is located at Kiev, Ul. Vladimirska, 44, and is accepting aspirants for the candidate's degree in the specialty of the zoology of invertebrates. (47)

Two divisions of the institute have been identified from advertisements for competitions for posts. The first was in February 1954, when an advertisement was published for the Division of Soil Fauna, stating that there were vacancies for a head of the division, who was to be a Doctor of Biological Sciences, a Junior Scientific Associate, and a Laboratory Assistant. (26) The second was in June, and the vacancy was for a head of the Division of Animal Ecology, who had to be a Doctor of Biological Sciences. (41) No further information has been seen with regard to who obtained any of the posts.

The following are members of the institute:

Vladimir Grigor'yevich Kas'yanenko, Doctor of Biological Sciences and director of the institute, who was awarded the Order of Lenin on 3 May 1954 (34)

Boris Grigor'yevich Novik, Doctor of Biological Sciences and deputy director of the institute, who was awarded the Order of Labor Red Banner at the same time (35)

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Aleksandr Prokof'yevich Markevich, Doctor of Biological Sciences and head of an unnamed division of the institute, who was awarded the Order of Labor Red Banner.(35) He is a Corresponding Member of the academy.(3)

Ivan Ignat'yevich Besspalyy, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Labor Red Banner (34)

S. M. Gershenzon, Doctor of Biological Sciences, K. V. Karlash, N. N. Sinitskiy (M. M. Sinits'kiy), and P. A. Sitko (P. O. Sit'ko), all Candidates of Biological Sciences, were working on problems of increasing the yield from silkworms. This group was led by Sinitskiy.(2)

Yelizaveta Mironovna Yemchuk, Candidate of Biological Sciences and a Senior Scientific Associate of the institute, who was awarded the Order of Labor Red Banner.(34)

Two aspirants of the institute were reported as being successful in defending their dissertations during 1953. They were N. M. Mazhuga and Ye. A. Moshkov (Ye. O. Moshkov).(3)

#### L'VOV AFFILIATE

The following officials of the affiliate have been identified:

K. A. Tatarinov, acting scientific secretary and M. K. Ivasyuta, secretary of the party organization in the affiliate (5), who is a Candidate of Historical Sciences.(6)

The following list shows all the institutions which have been identified as being part of the affiliate:

Institute of Social Sciences

State Ukrainian Museum of Ethnography and the Arts

L'vov Library

Institute of Geology of Useful Minerals

Institute of Agrobiology

Institute of Machine Science and Automatics

Seismic Sector (5)

The first three institutions shown above are not considered in this report.

Jubilee Sessions of the Affiliate

To mark the 300th anniversary of the union of the Ukraine with Russia, the affiliate held sessions on 26 and 27 April in Kiev, 4 May in Ternopol', and 17 and 18 May in Uzhgorod.(6)

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Vladimir Borisovich Porfir'yev, Doctor of Geological and Mineralogical Sciences and director of the institute, and Oleg Stepanovich Vyalov, Doctor of Geological and Mineralogical Sciences and head of an unnamed division in the institute, were both awarded the Order of Lenin on 3 May 1954.(33)

D. V. Gruzhiy and G. N. Dolenko, Junior Scientific Associates in the institute, were reported to have successfully defended their dissertations for the candidate's degree during 1953.(3)

The institute is located at L'vov, Ul. Kopernika, 15, and is taking aspirants for the degree of candidate in the specialties of the study and prospecting for oil and gas deposits, petrography of sedimentary rocks, petrography of magmatic and metamorphic rocks, mineralogy, and stratigraphy.(47)

Institute of Agrobiology

The institute is located at L'vov, Ul. Dragomanova, 14/16. It is taking aspirants for the candidate's degree in the specialties of entomology, vegetable growing, soil science, and phytopathology.(47)

Daniil Fedorovich Likhvar', Candidate of Agricultural Sciences and the director of the institute, was awarded the Order of Labor Red Banner on 3 May 1954.(33)

The following were appointed by the presidium of the academy to form the Scientific Council of the institute:

D. F. Likhvar' (head)

Corresponding Members of the academy: G. S. Kiyak and S. Z. Gzhitskiy

Doctors of Biological Sciences: F. I. Strautman and G. V. Koziy

Candidates of Agricultural Sciences: S. F. Baranetskiy, G. A. Andrushchenko, (G. O. Andrushchenko), M. Ya. Skorik, V. G. Tsibukh, Ya. I. Pervak

Candidates of Biological Sciences: A. D. Khomenko (O. D. Khomenko), V. M. Yevminov and V. I. Zdun

A. V. Sobchenko (O. V. Sobchenko), Scientific Secretary of the institute A. I. Novosad, director of the L'vov Scientific Research Station of Farming "Ye. G. Baluti," which is attached to the Kolkhoz imeni G. M. Malenkov, Vinnykovskiy Rayon, L'vovskaya Oblast' (5)

The presidium of the academy has ordered that the Scientific Museum of the institute be combined with the Divisions of Botany and Zoology.(2)

F. I. Strautman, who was shown above as a member of the Scientific Council of the institute, defended his doctoral dissertation during 1953 at Moscow State University. The title of his dissertation was "Birds of the Soviet Carpathians." (3)

V. I. Zdun and V. G. Tsibukh, also members of the Scientific Council, defended their dissertations during 1953.(3)

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Institute of Machine Science and Automatics

The address of the institute is L'vov, Ul. Kopernika, 15. It has advertised that it is taking aspirants in the specialties of machine parts, and electrical measurements and measuring instruments.(47)

The director of the institute, Georgiy Vladimirovich Karpenko, was awarded the Order of Labor Red Banner on 3 May 1954.(33) He was stated to be a Candidate of Technical Sciences in the citation of this award, but another source states that in 1953 he defended his dissertation "The Effect of Surroundings on the Fatigue Capacity of Steel" before the Scientific Council of the Institute of Physical Chemistry, Academy of Sciences USSR, and was awarded the degree of Doctor of Technical Sciences.(3)

Seismic Sector

During 1953, the sector put out a hodograph of earth tremors in the Carpathians.(3) No member of the sector has been identified.

UNLOCATED PERSONNEL

The following are known to be members of the academy, but their exact location in an institute has not been found.

V. P. Popov: Defended his dissertation "Physiological Proof of the Periodic Revitalization of Plants" before the Scientific Council of the Khar'kov Agricultural Institute imeni V. V. Dokuchayev during 1953, and was granted the degree of Doctor of Agricultural Sciences.(3)

Ivan Mikhaylovich Fedorchenko, Doctor of Technical Sciences, identified only as the head of a division of a laboratory of the academy when he was awarded the Order "Badge of Honor" on 3 May 1954 (36)

Ivan Nikitich Frantsevich, Candidate of Chemical Sciences, identified only as the head of a laboratory of the academy when he was awarded the Order of Labor Red Banner (35)

Vera Vsevolodovna Grigor'yeva, Candidate of Technical Sciences, identified only as a Junior Scientific Associate of a laboratory of the academy when she was awarded the Medal "For Labor Valor" (36)

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10. Kiev, Medichniy Zhurnal, Vol 24, No 1, 1954
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